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DATE MAILED: 08/25/2003

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
08/959,125	10/28/1997	YOSHIHIKO HIGUCHI	20111-0014	4244	
23594	7590 08/25/2003				
JOHN S. PF	JOHN S. PRATT			EXAMINER	
KILPATRICK STOCKTON LLP 1100 PEACHTREE			ALEXANDER, LYLE		
SUITE 2800 ATLANTA,	GA 30309		ART UNIT	PAPER NUMBER	
			1743	-	

Please find below and/or attached an Office communication concerning this application or proceeding.

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		Application No.	Applicant(s)
	_	08/959,125	HIGUCHI ET AL.
Offic	Action Summary	Examiner	Art Unit
		Lyle A Alexander	1743
The MAI	LING DATE of this communication	appears on the cover sheet wit	h the correspondence address
A SHORTENED THE MAILING I - Extensions of time after SIX (6) MONT - If the period for repl - If NO period for rep - Failure to reply with - Any reply received I	O STATUTORY PERIOD FOR RIDATE OF THIS COMMUNICATION of THIS COMMUNICATION of THIS from the mailing date of this communication by specified above is less than thirty (30) days, by is specified above, the maximum statutory point the set or extended period for reply will, by substituting the complete of	ON. FR 1.136(a). In no event, however, may a re n. a reply within the statutory minimum of thirty eriod will apply and will expire SIX (6) MONT statute, cause the application to become ABA	ply be timely filed (30) days will be considered timely. (HS from the mailing date of this communication. ANDONED (35 U.S.C. § 133).
1)⊠ Respons	sive to communication(s) filed on	<u>02 June 2003</u> .	
2a)☐ This acti	on is FINAL . 2b)⊠	This action is non-final.	
	n accordance with the practice ur		ters, prosecution as to the merits is 0. 11, 453 O.G. 213.
<u> </u>	2-5,14 and 15 is/are pending in t	the application.	
	above claim(s) is/are with	• •	
	is/are allowed.		
<u> </u>	2-5,14 and 15 is/are rejected.		
7) Claim(s)	is/are objected to.		
8) Claim(s) _ Application Papers	are subject to restriction a	nd/or election requirement.	
	ication is objected to by the Exar	miner.	
•	ng(s) filed on is/are: a)□ :		ne Examiner.
	t may not request that any objection		
11) The propos	sed drawing correction filed on _	is: a) approved b) di	sapproved by the Examiner.
If approve	ed, corrected drawings are required	in reply to this Office action.	
12)∐ The oath o	or declaration is objected to by th	e Examiner.	
Priority under 35 L	J.S.C. §§ 119 and 120		
13) Acknowle	dgment is made of a claim for fo	reign priority under 35 U.S.C. §	119(a)-(d) or (f).
a)∐ All b)[☐ Some * c)☐ None of:		
1.☐ Cer	rtified copies of the priority docur	nents have been received.	
2.☐ Cer	rtified copies of the priority docur	nents have been received in Ap	oplication No
	pies of the certified copies of the application from the International ached detailed Office action for a	al Bureau (PCT Rule 17.2(a)).	•
14) ☐ Acknowled	gment is made of a claim for don	nestic priority under 35 U.S.C. §	§ 119(e) (to a provisional application).
	ranslation of the foreign language gment is made of a claim for dor	- · · · · · · · · · · · · · · · · · · ·	
Attachment(s)			
3) Information Disclo	ces Cited (PTO-892) erson's Patent Drawing Review (PTO-948 esure Statement(s) (PTO-1449) Paper No	3) 5) Notice of Ir	iummary (PTO-413) Paper No(s) Iformal Patent Application (PTO-152)
S. Patent and Trademark Office TOL-326 (Rev. 04-01)	Offi	ce Action Summary	Part of Paper No. 29

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Claim Rejections - 35 USC § 103

The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

Claims 2-5 and 14-15 are rejected under 35 U.S.C. 103(a) as being unpatentable over Siddiqi (USP 4,438,067).

Siddiqi teaches a test strip with a continuous layer of polymeric hydrophilic beads and the reagents necessary to achieve the desired colorimetric reaction. Column 5 lines 21-23 teach titanium dioxide can be incorporated into the beads which has been read on the claimed "polymer beads embedding light reflective particles". Column 6 lines 10-15 teach a PVA adhesive to retain the beads, which has been read on the claimed "matrix comprising a hydrophilic high molecular weight substance". Column 5 line 14 teaches the beads have diameters of 20-200 microns, which overlaps, with a portion of the claimed particle diameters of 1-40 microns. Column 5 lines 30+ teach the beads are made of polymers derived from hydroxyacrylic acid which has been read on the claimed acrylic acid and methacrylic acid polymers.

Siddiqi is silent to the claimed content of polymer bead being 5-30 wt.% of the total reagent layer and the light reflective particle in the amount of 10-70 w/v% based upon the total content of the beads.

The court decided <u>In re Boesch</u> (205 USPQ 215) that optimization of a result effective variable is ordinarily within the skill of the art. A result effective variable is one that has predictable and well-known results. The amount of polymer beads has the well-known and expected result of controlling the amount of sample retained and the

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amount of reagent exposed to the sample (e.g. the threshold sensitivity of the test strip). The amount of reflective particles has the well-known and expected result of reducing interference from highly color samples, such as blood. Both the amount of beads and the amount of reflective particles on the beads are result effective variables.

It would have been within the skill of the art to modify Siddiqi and select a content of polymer bead being 5-30 wt.% of the total reagent layer and the light reflective particle in the amount of 10-70 w/v% based upon the total content of the beads as optimization of a result effective variable.

Response to Arguments

Applicant's arguments with respect to claims 2-4 and 14-15 have been considered but are moot in view of the new ground(s) of rejection.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Lyle A Alexander whose telephone number is 703-308-3893. The examiner can normally be reached on Monday, Wednesday and Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jill Warden can be reached on 703-308-4037. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-308-0651.

Lyle A Alexander Primary Examiner Art Unit 1743

